



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Hughey et al. GROUP: 2881
SERIAL NO: 09/938,277 EXAMINER: Unknown
FILED: 08/23/2001
FOR: SAMPLE INTRODUCTION INTERFACE
FOR ANALYTICAL PROCESSING

Assistant Commissioner of Patents
Washington, D.C. 20231

Attn: Official Draftsman

TRANSMITTAL OF FORMAL DRAWINGS

Applicant submits herewith new drawing(s) for this application. Attached please find sixteen (16) sheets of formal drawings for this application.

The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any further extension and/or fee that is required.

Respectfully submitted,

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231, Attn: Official Draftsman.

Amy M. Flick

Date: 11-28-2001

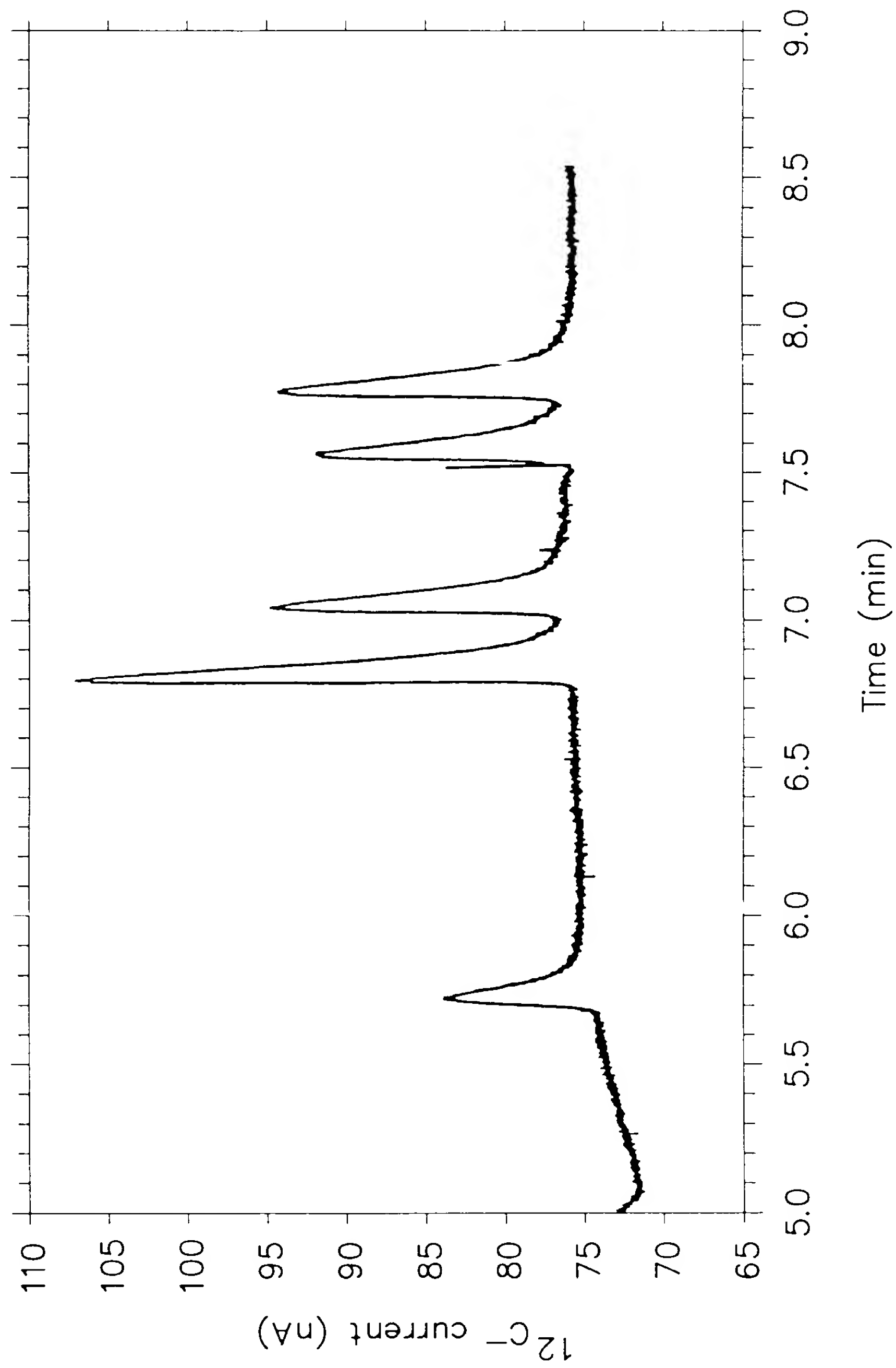


FIG. 1

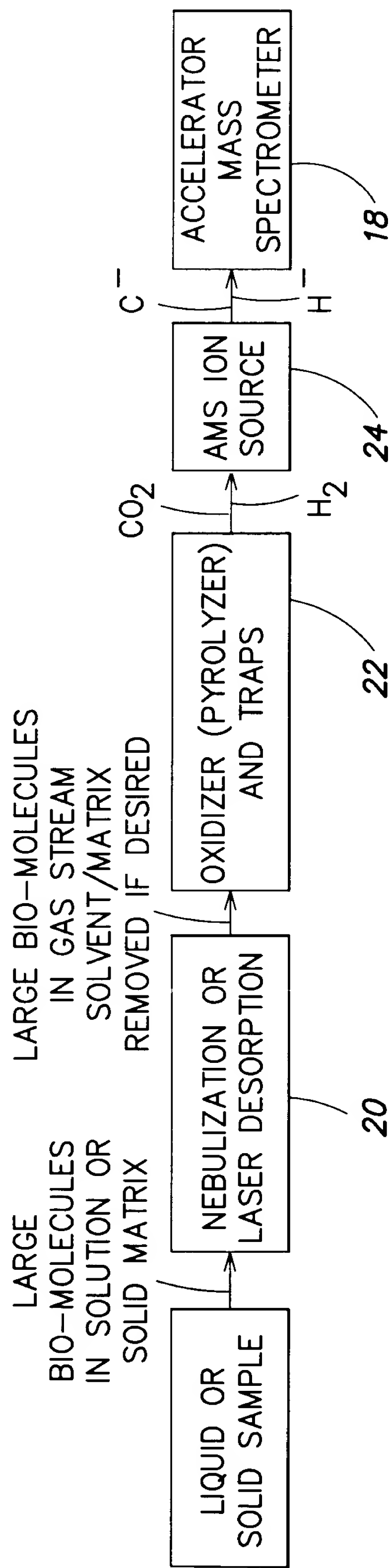


FIG. 2

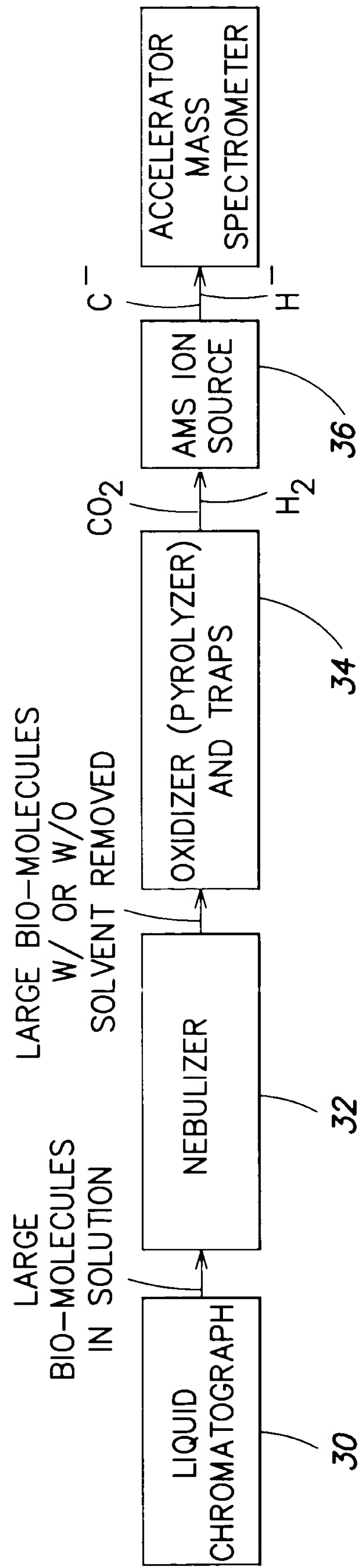


FIG. 3

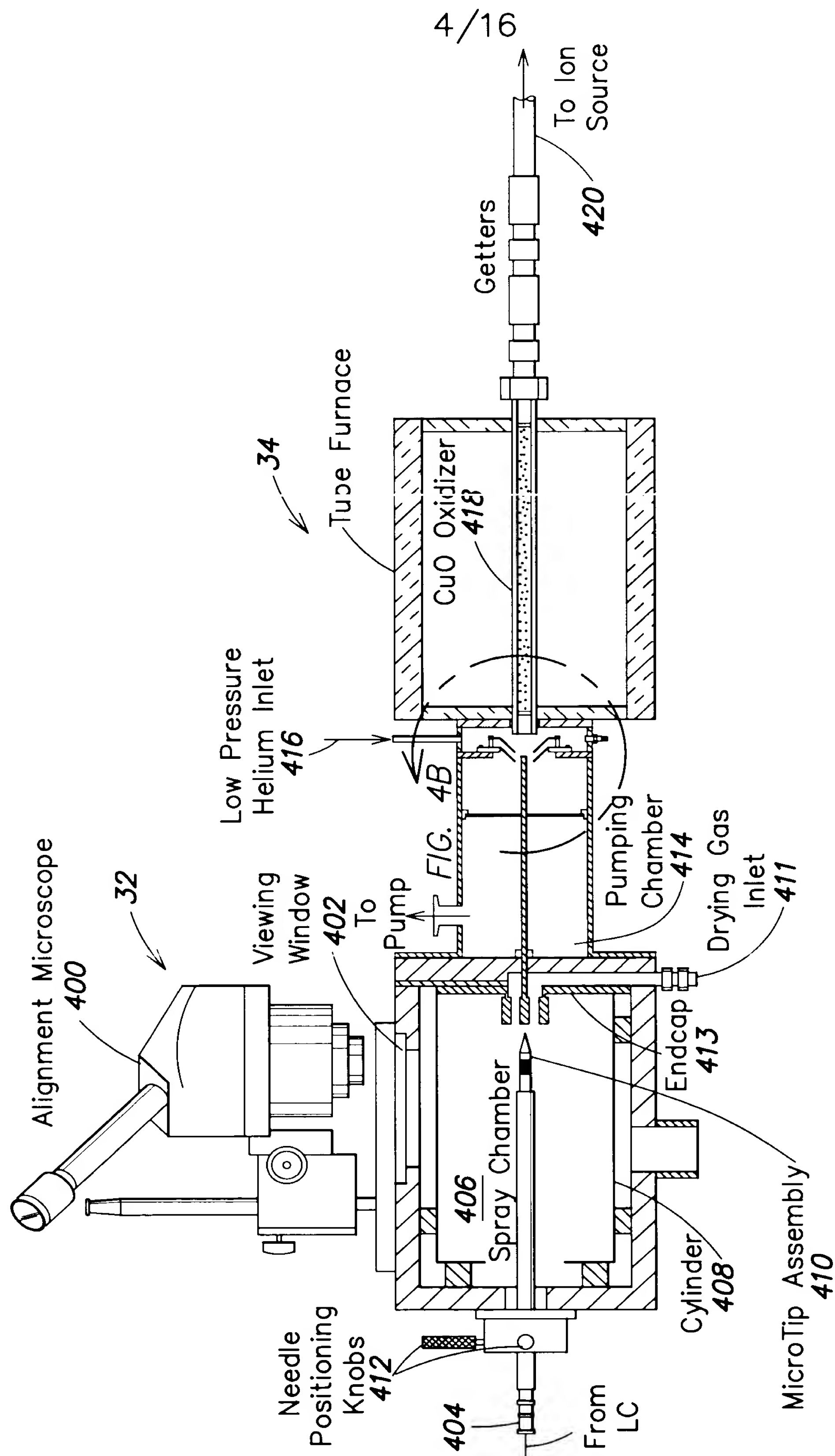


FIG. 4A

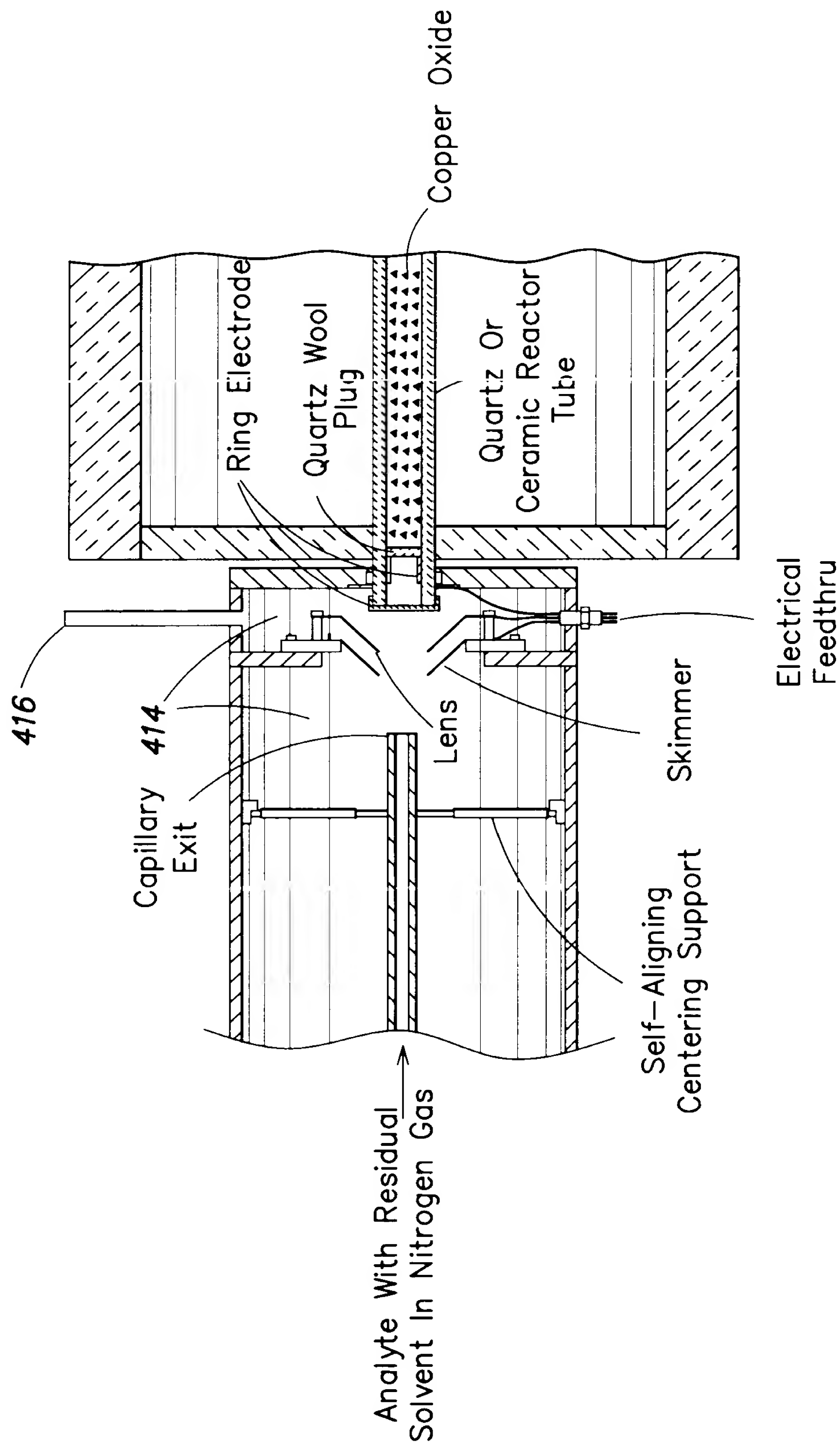


FIG. 4B

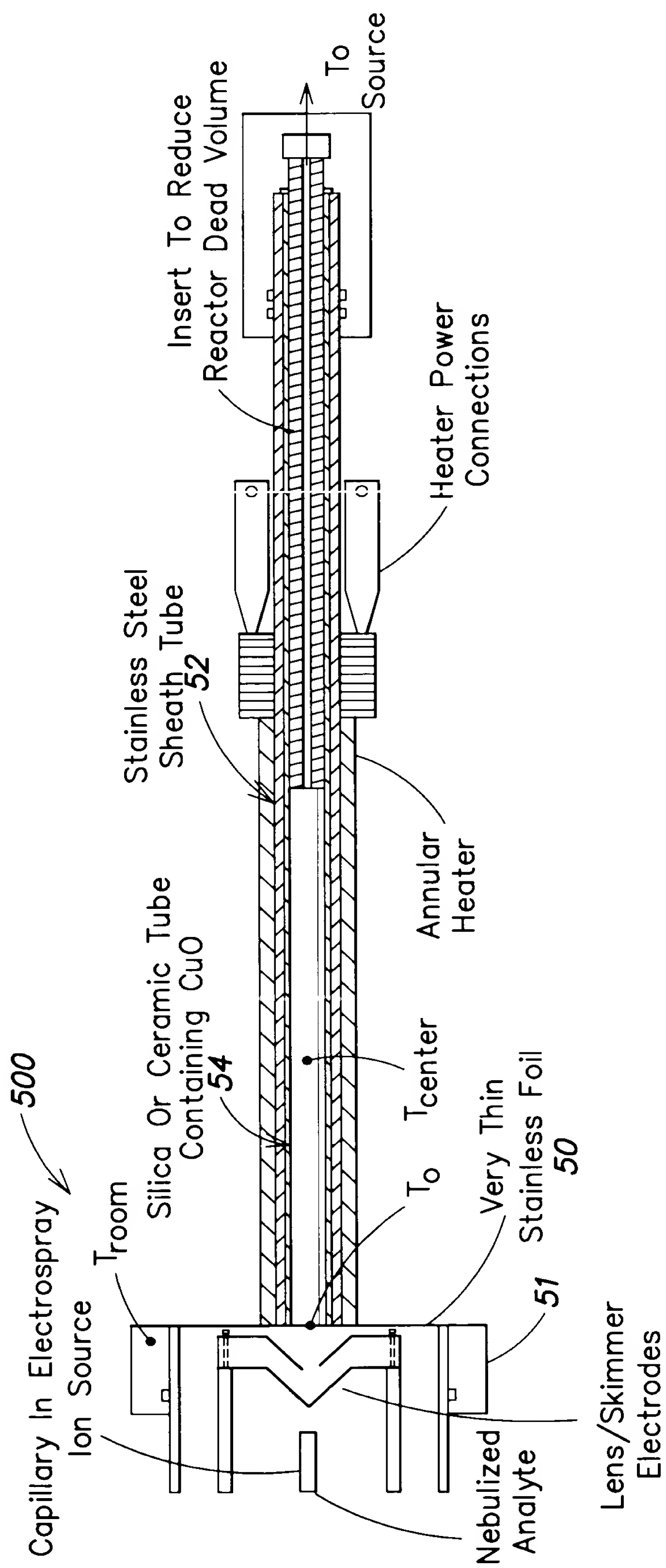


FIG. 5

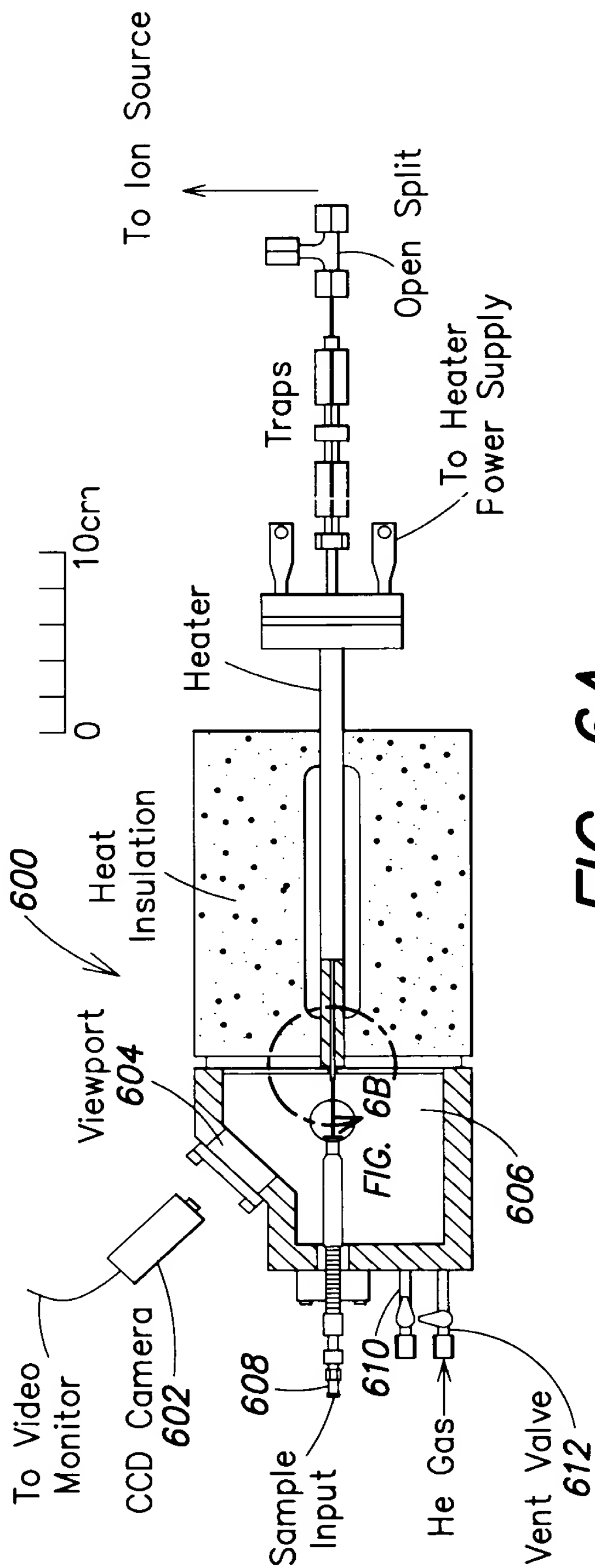


FIG. 6A

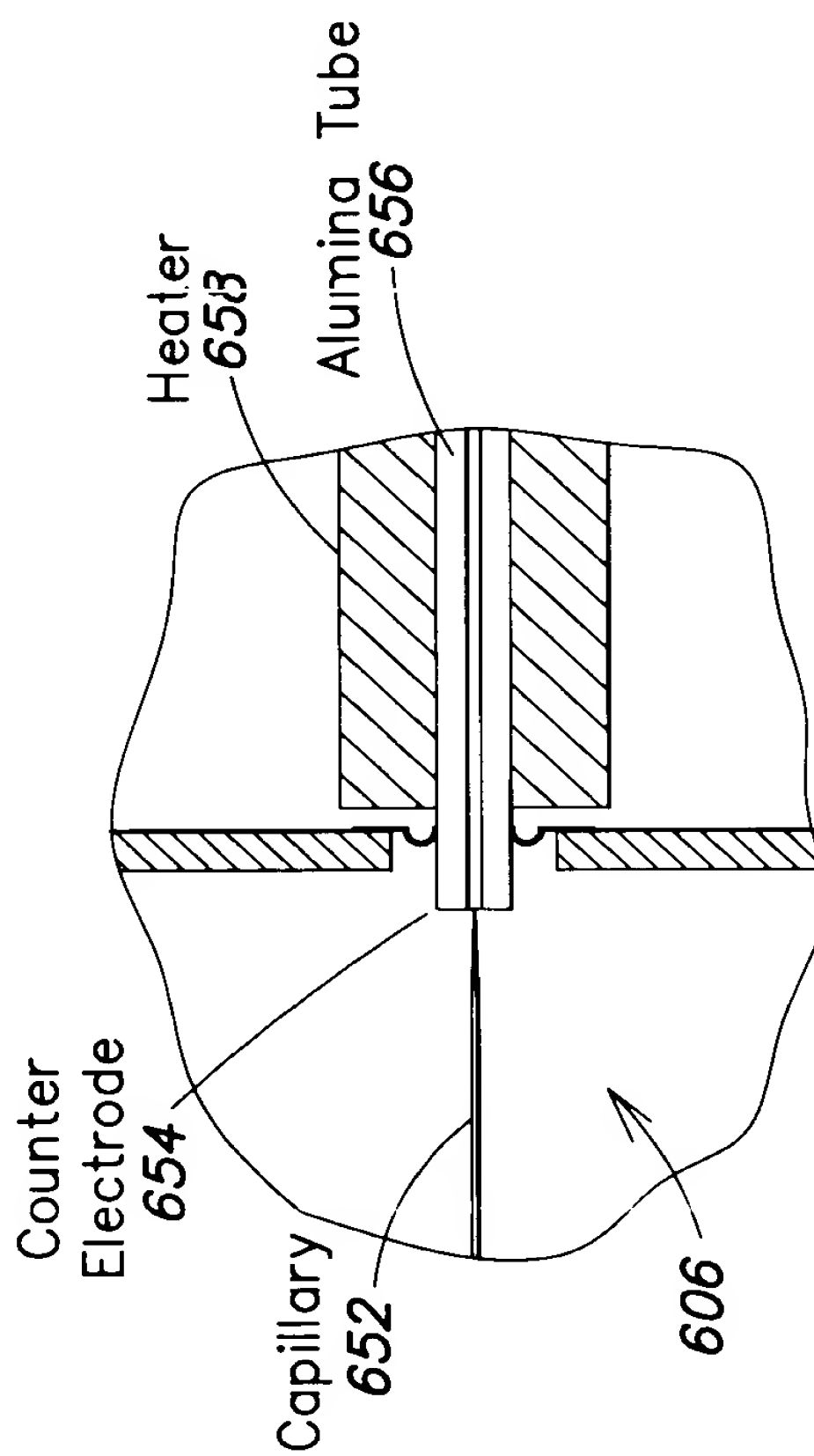


FIG. 6B

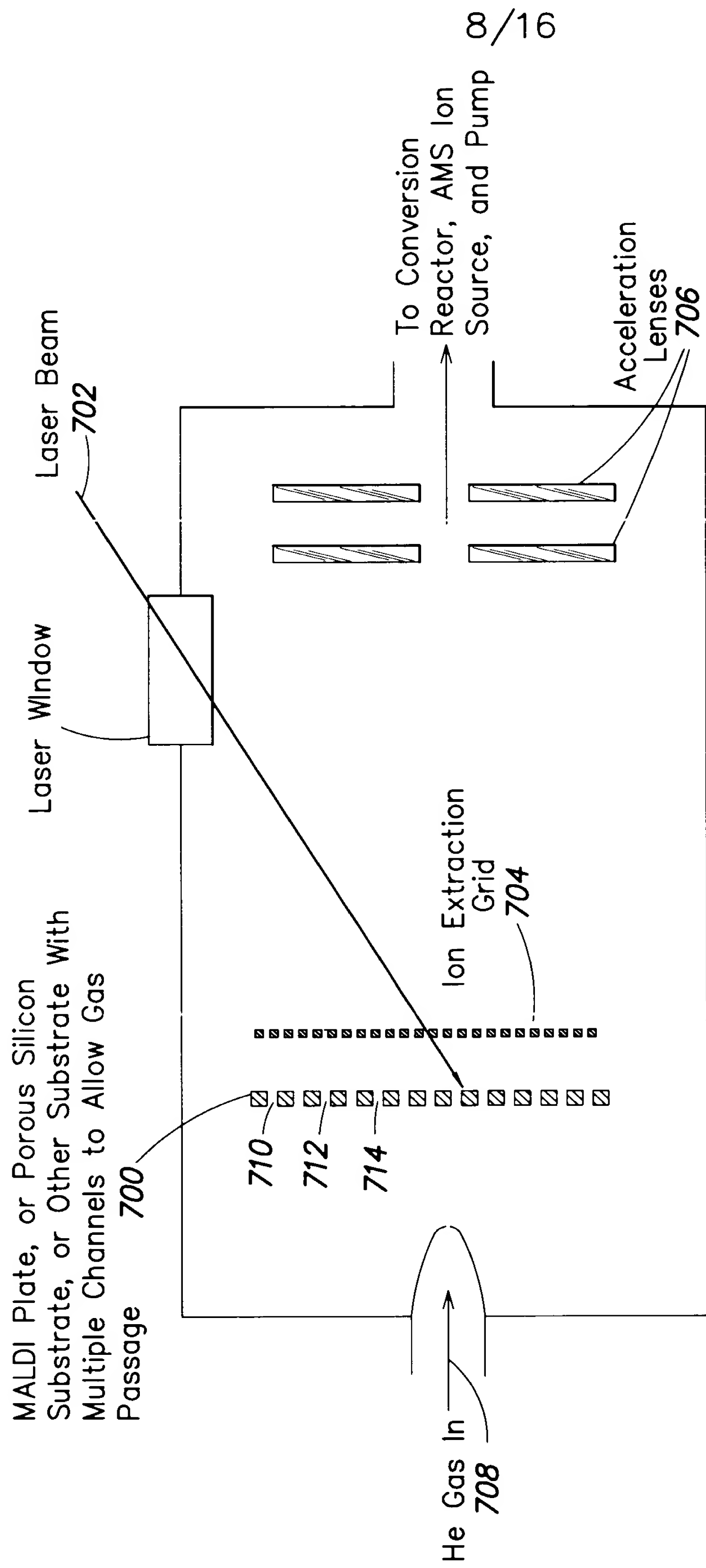


FIG. 7

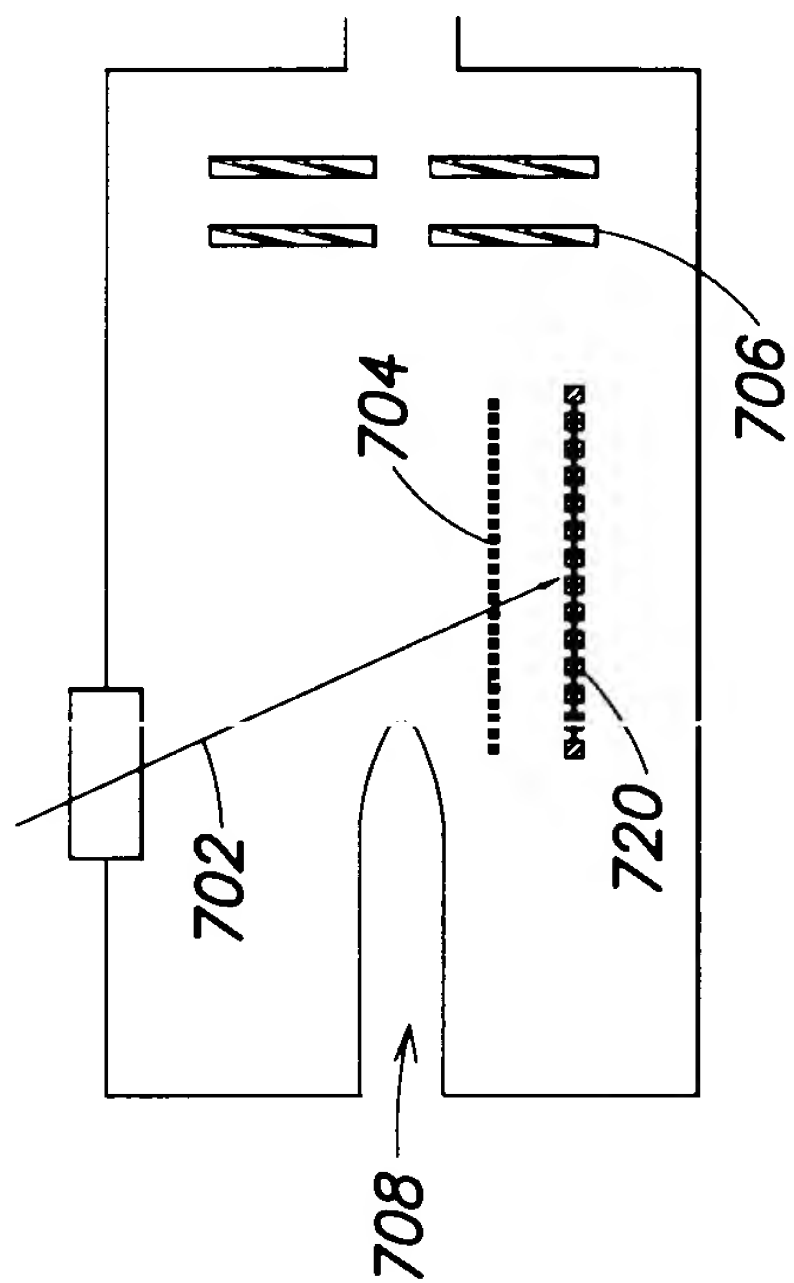


FIG. 8A

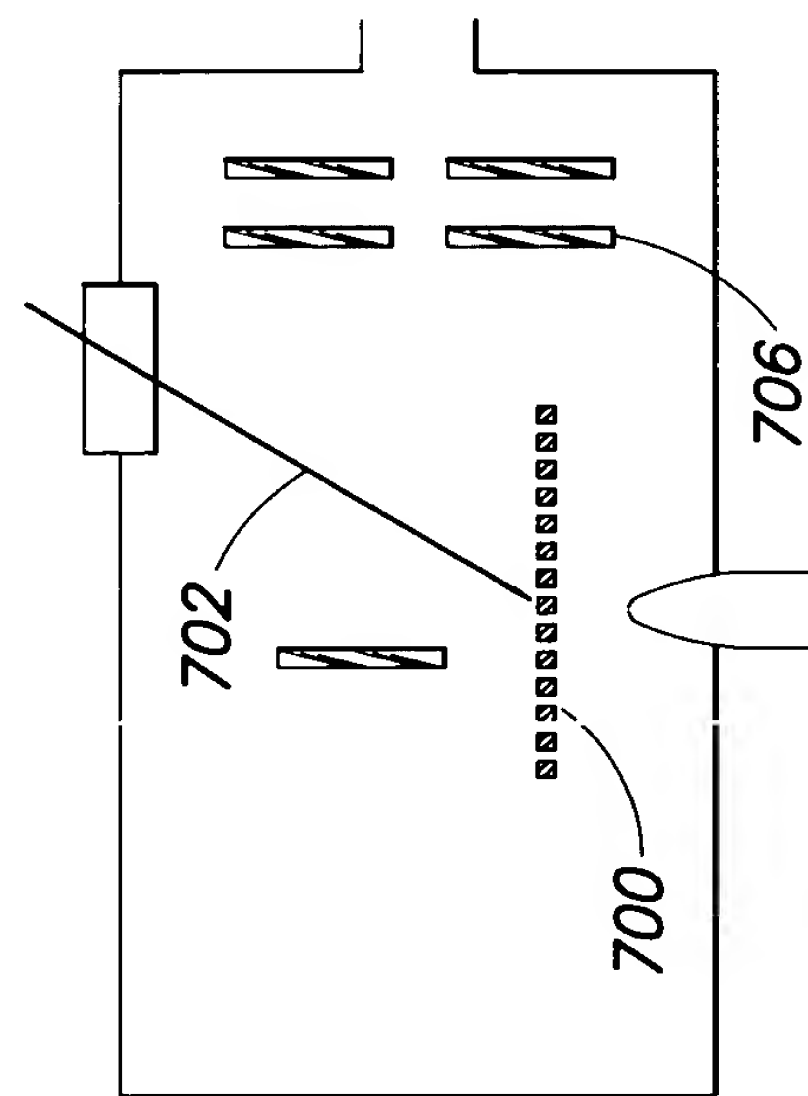


FIG. 8B

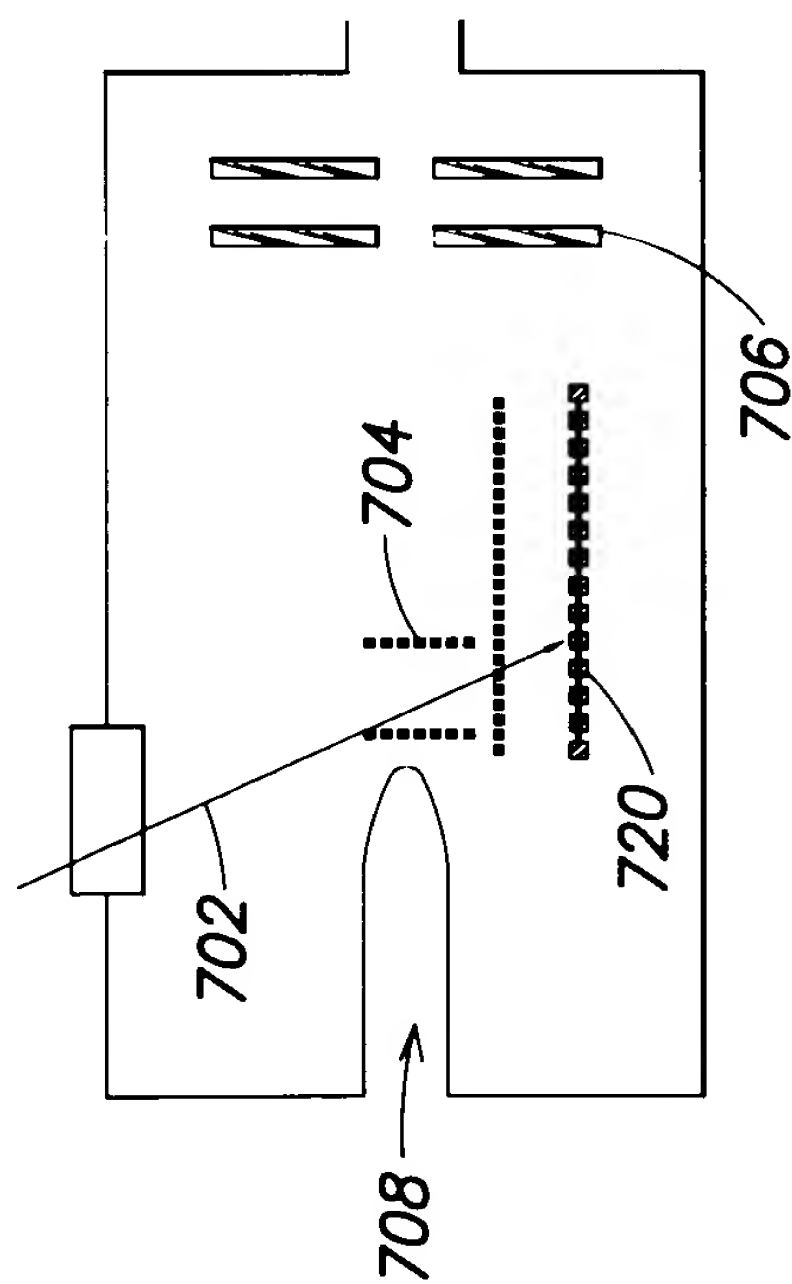


FIG. 8C

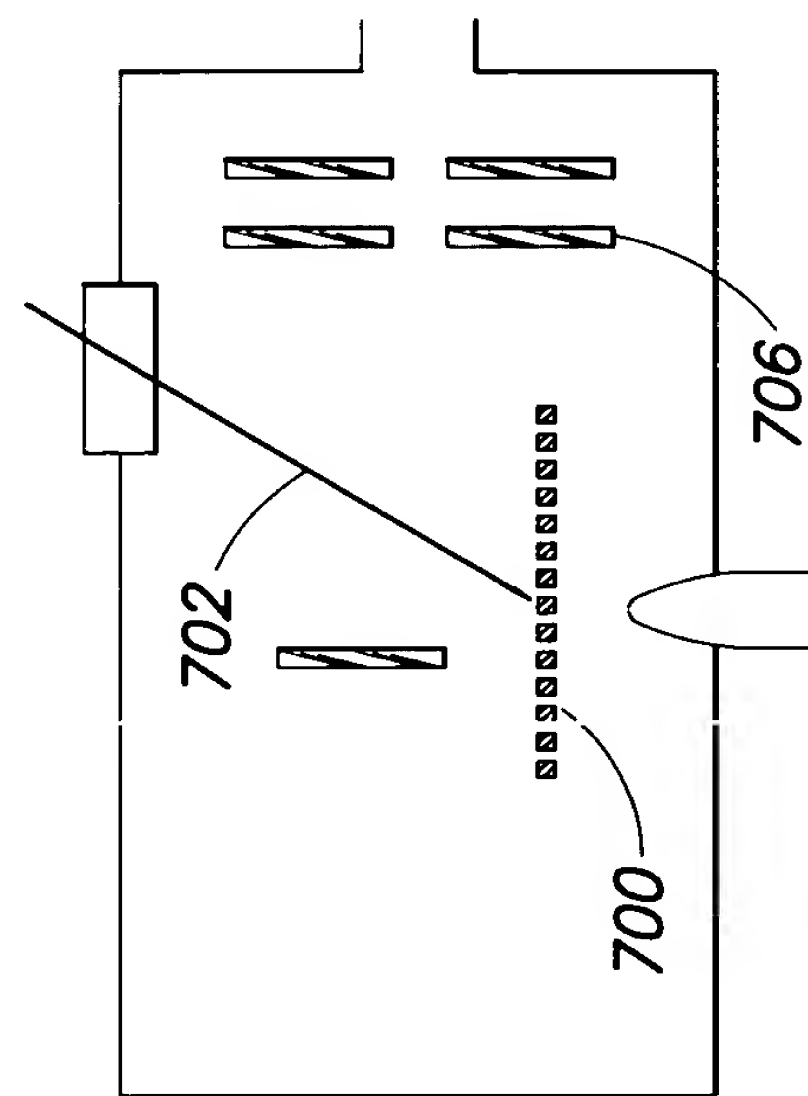


FIG. 8D

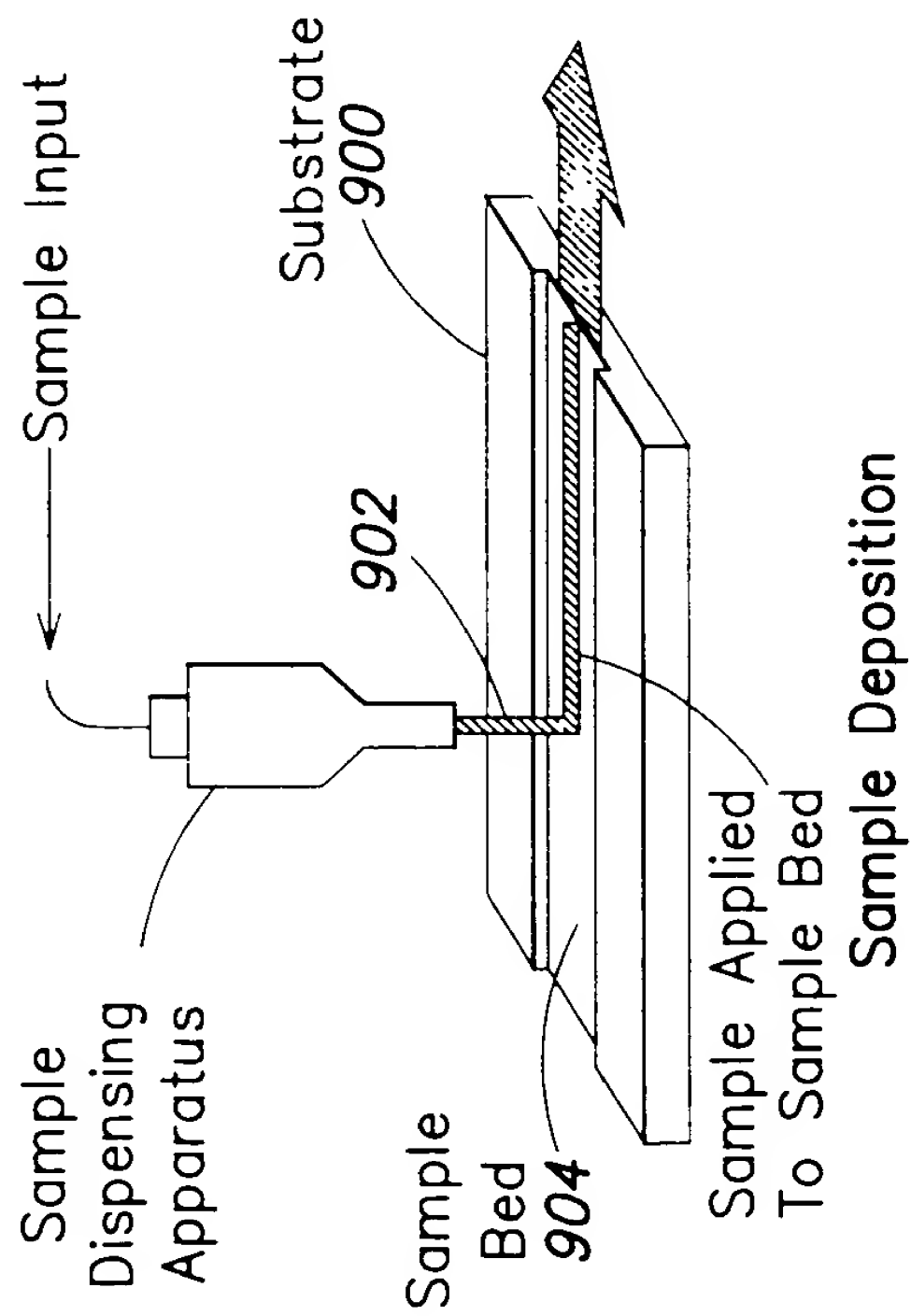


FIG. 9A

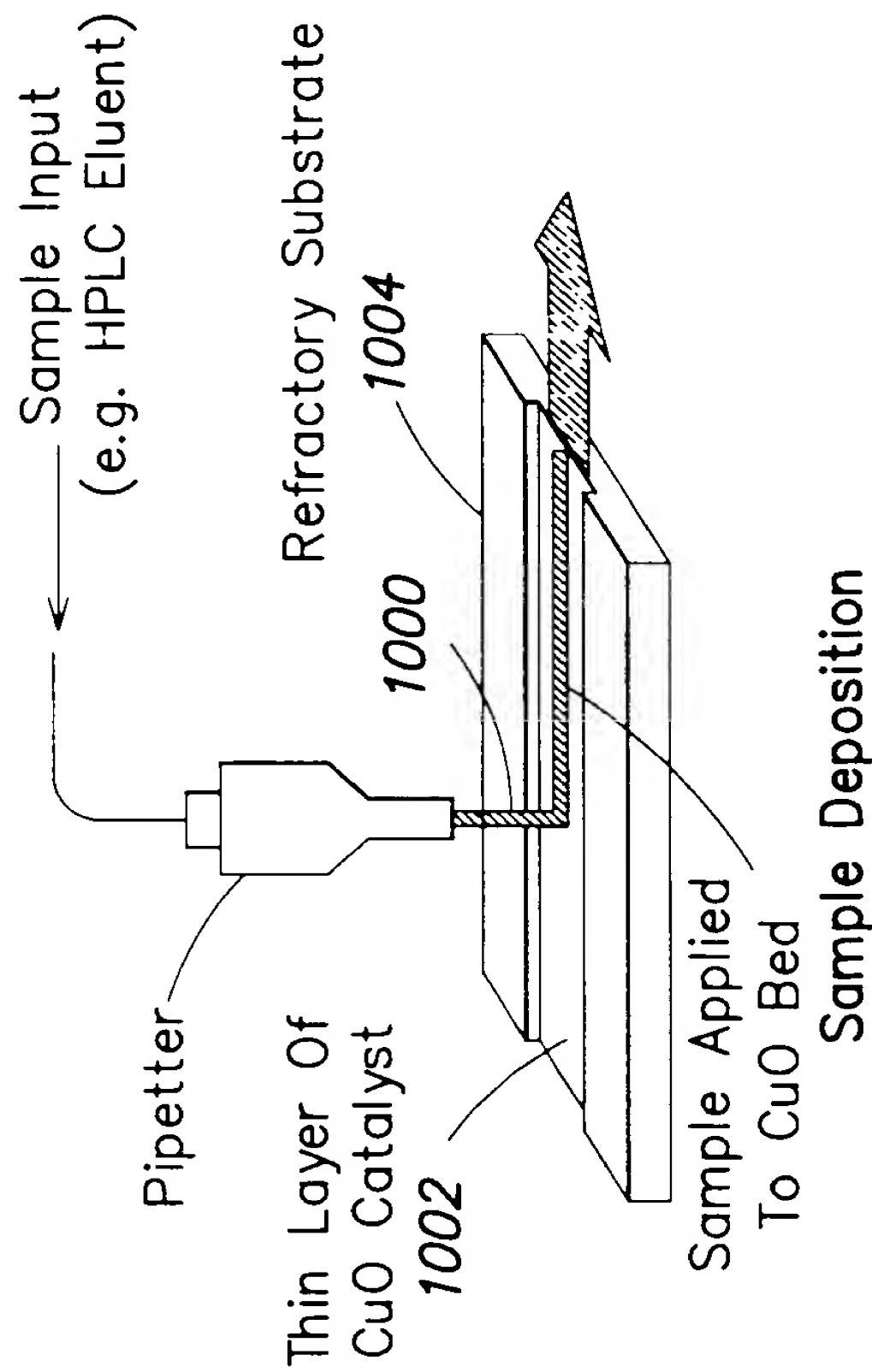


FIG. 10A

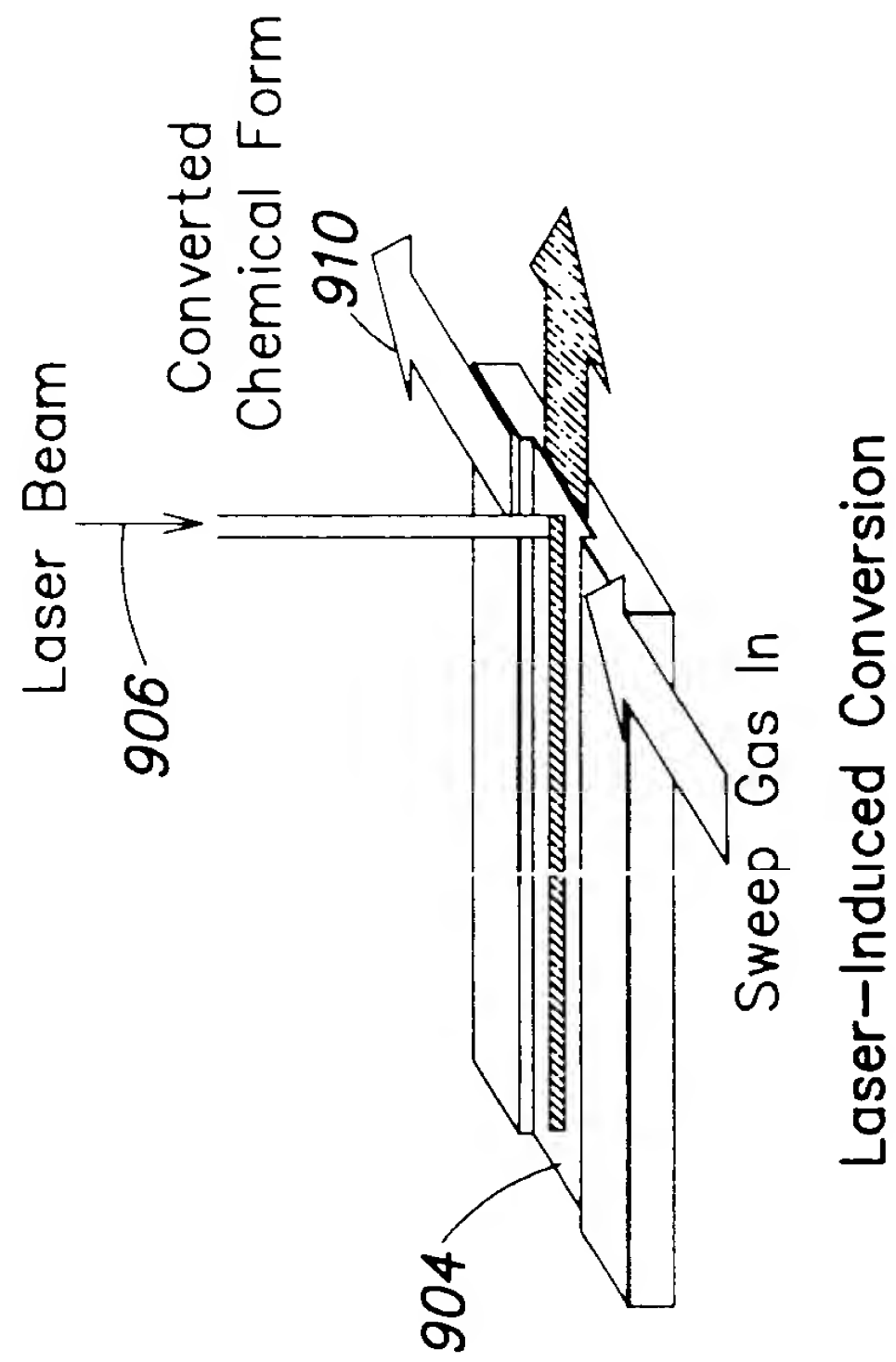


FIG. 9B

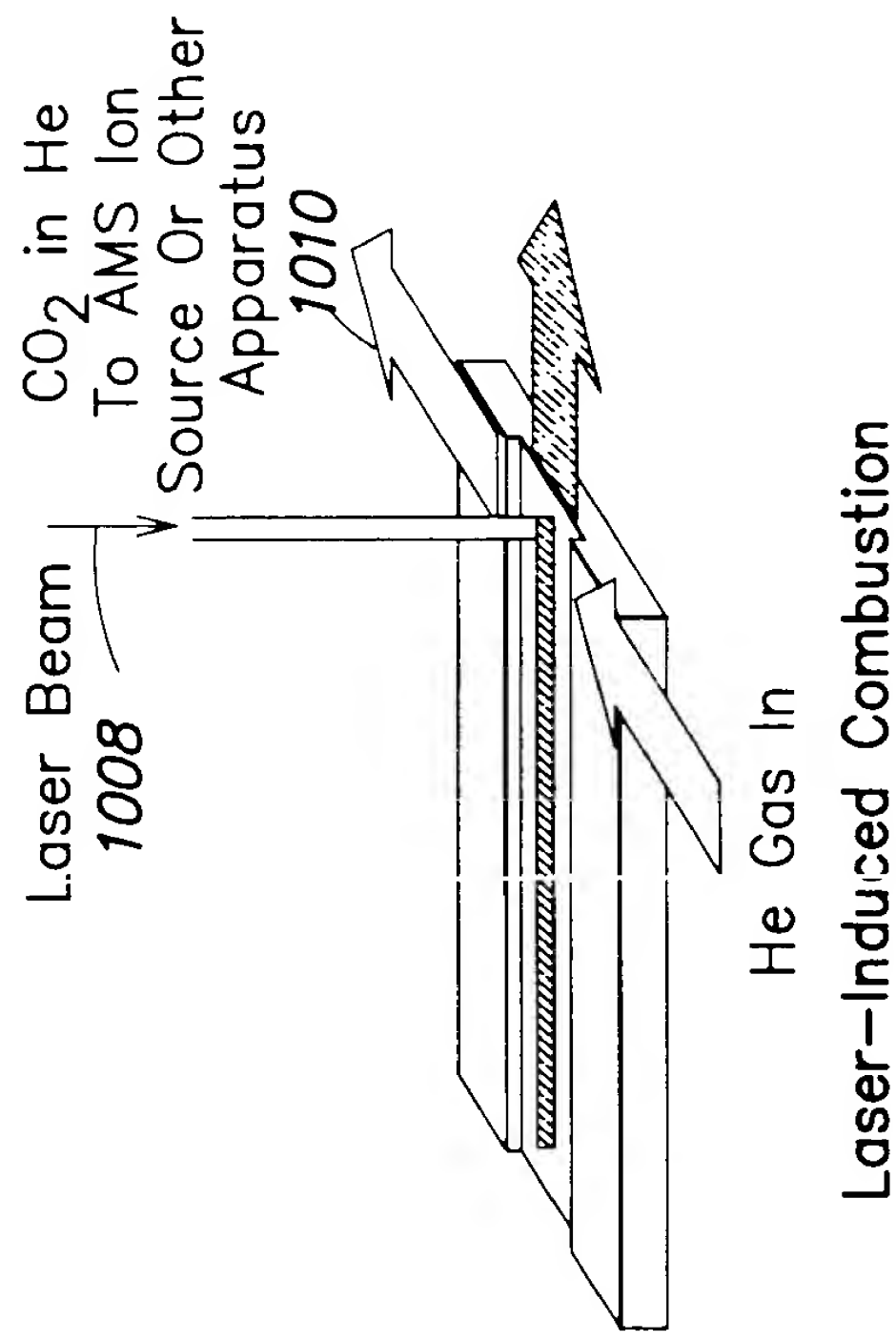


FIG. 10B

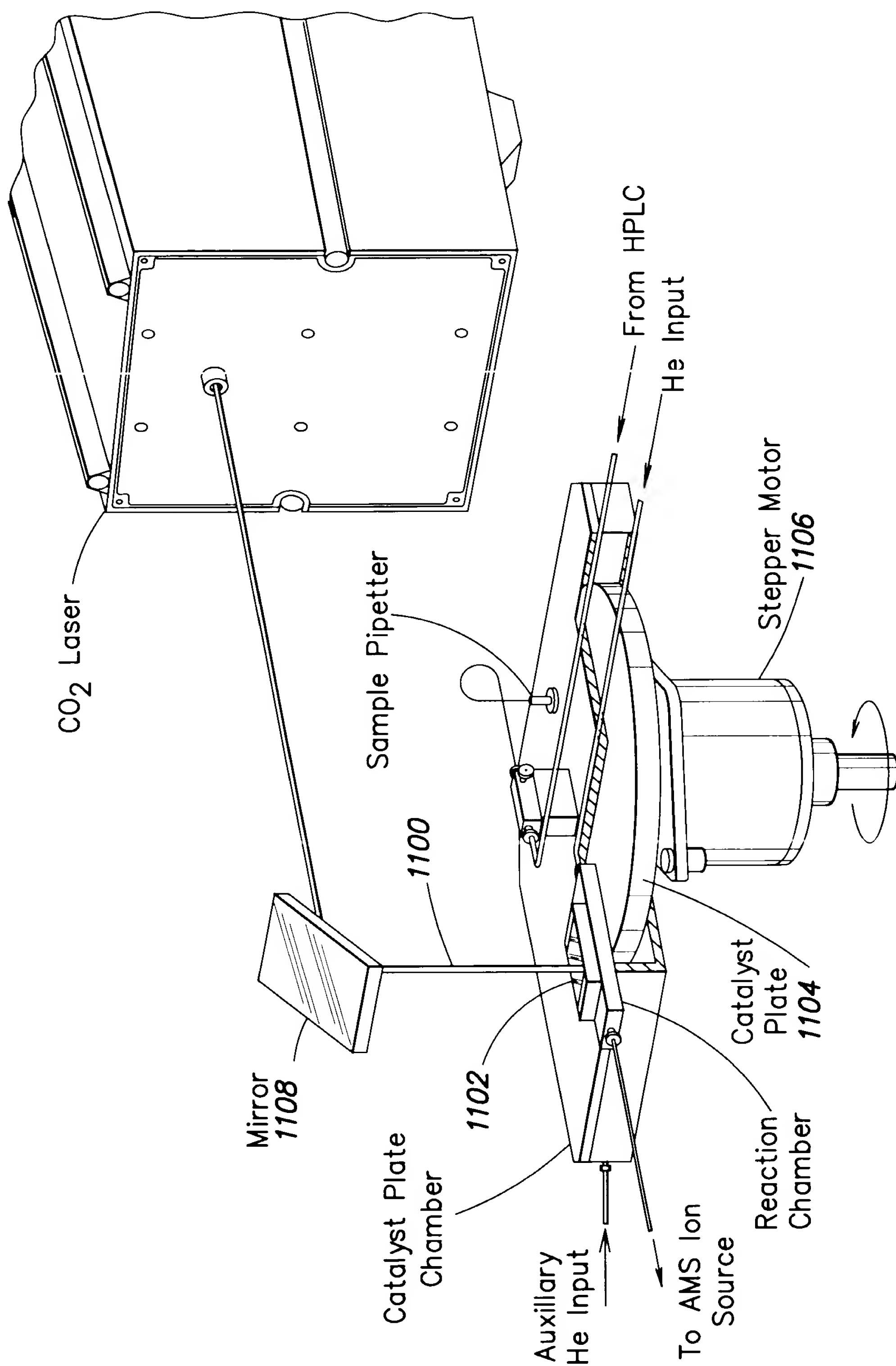
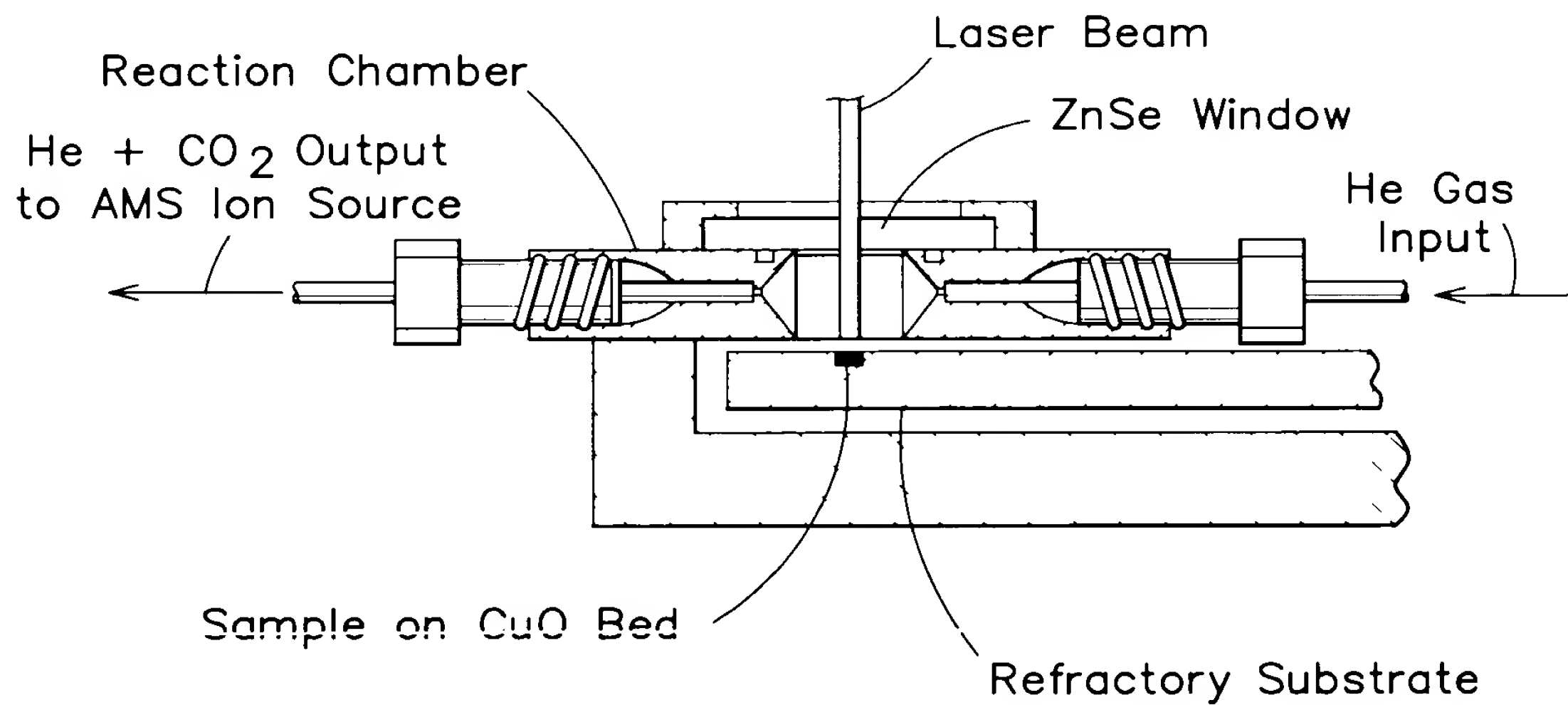
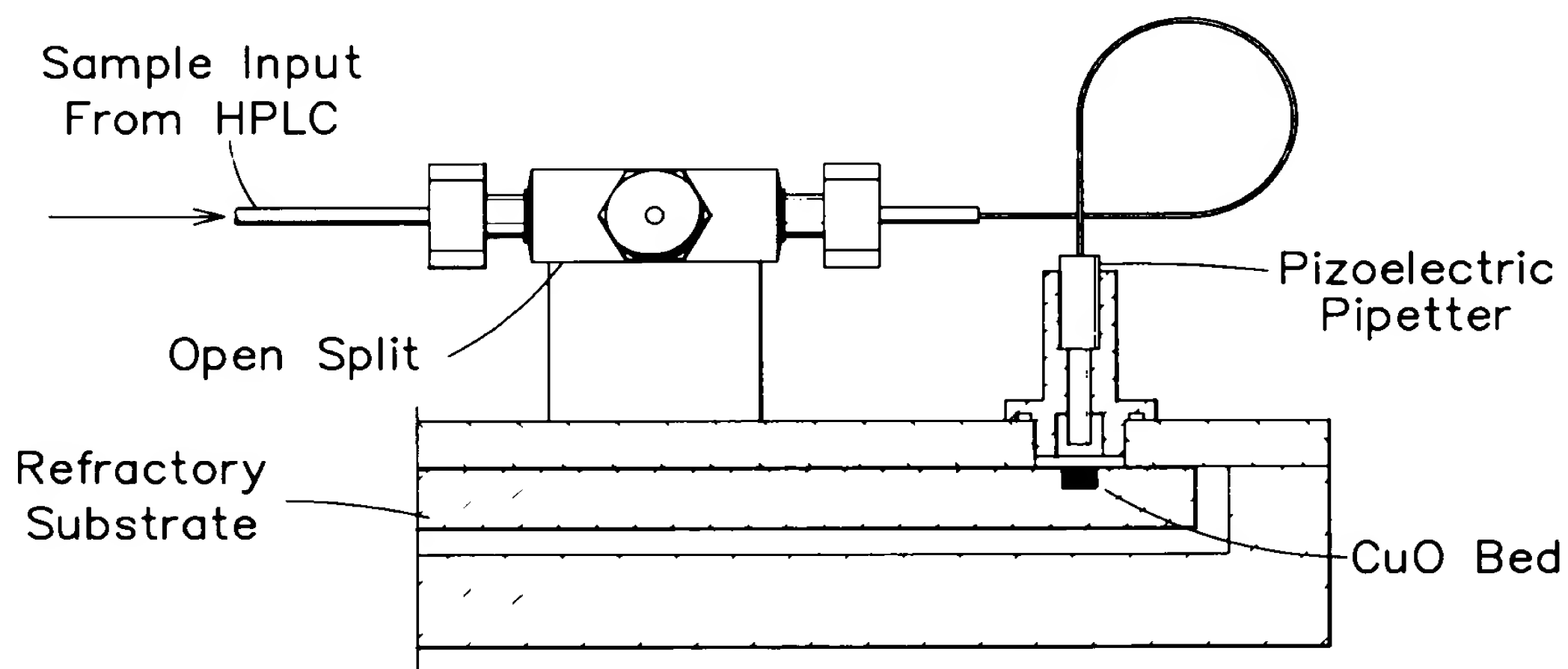


FIG. 11A

**FIG. 11B****FIG. 11C**

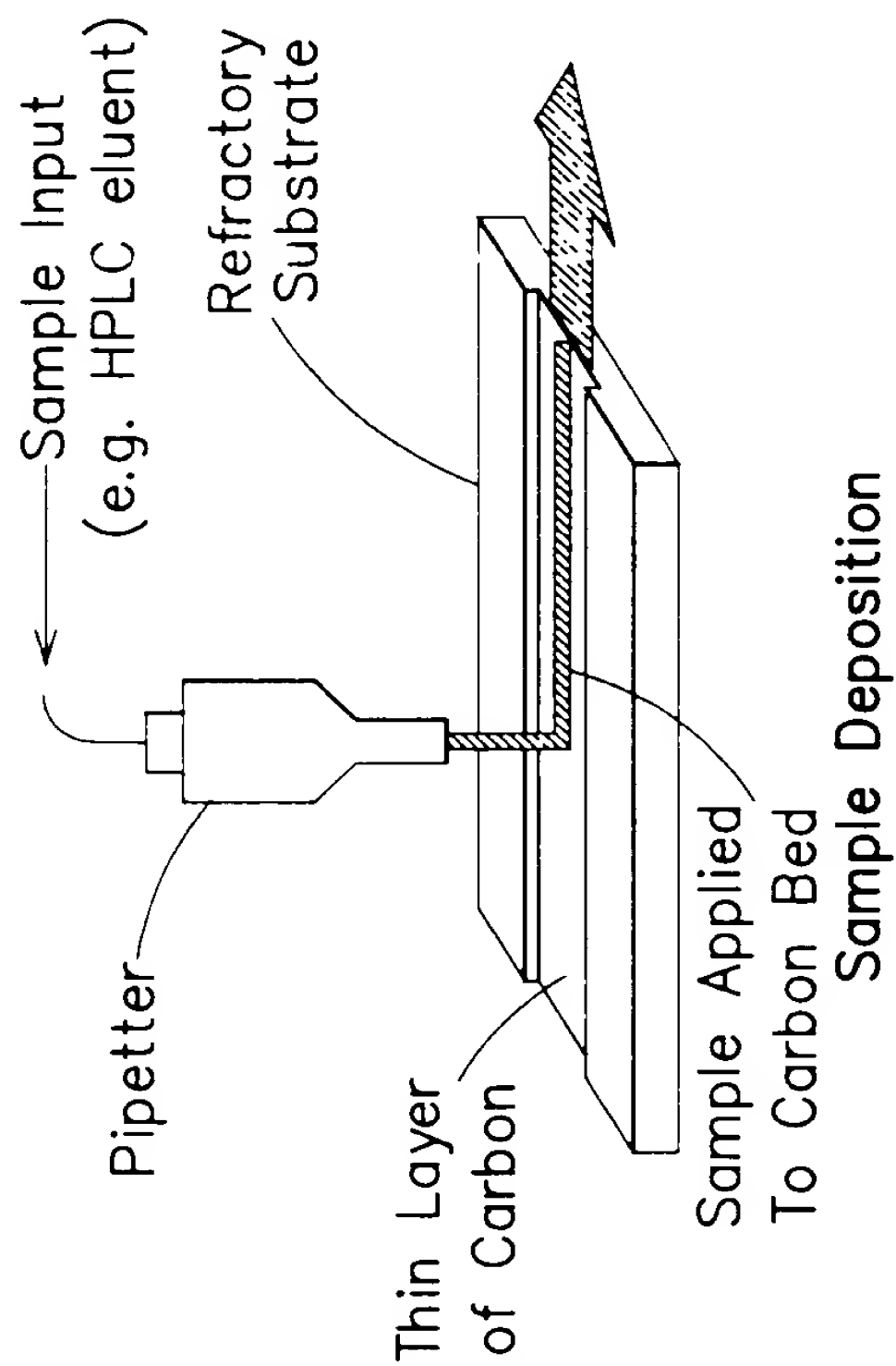


FIG. 12A

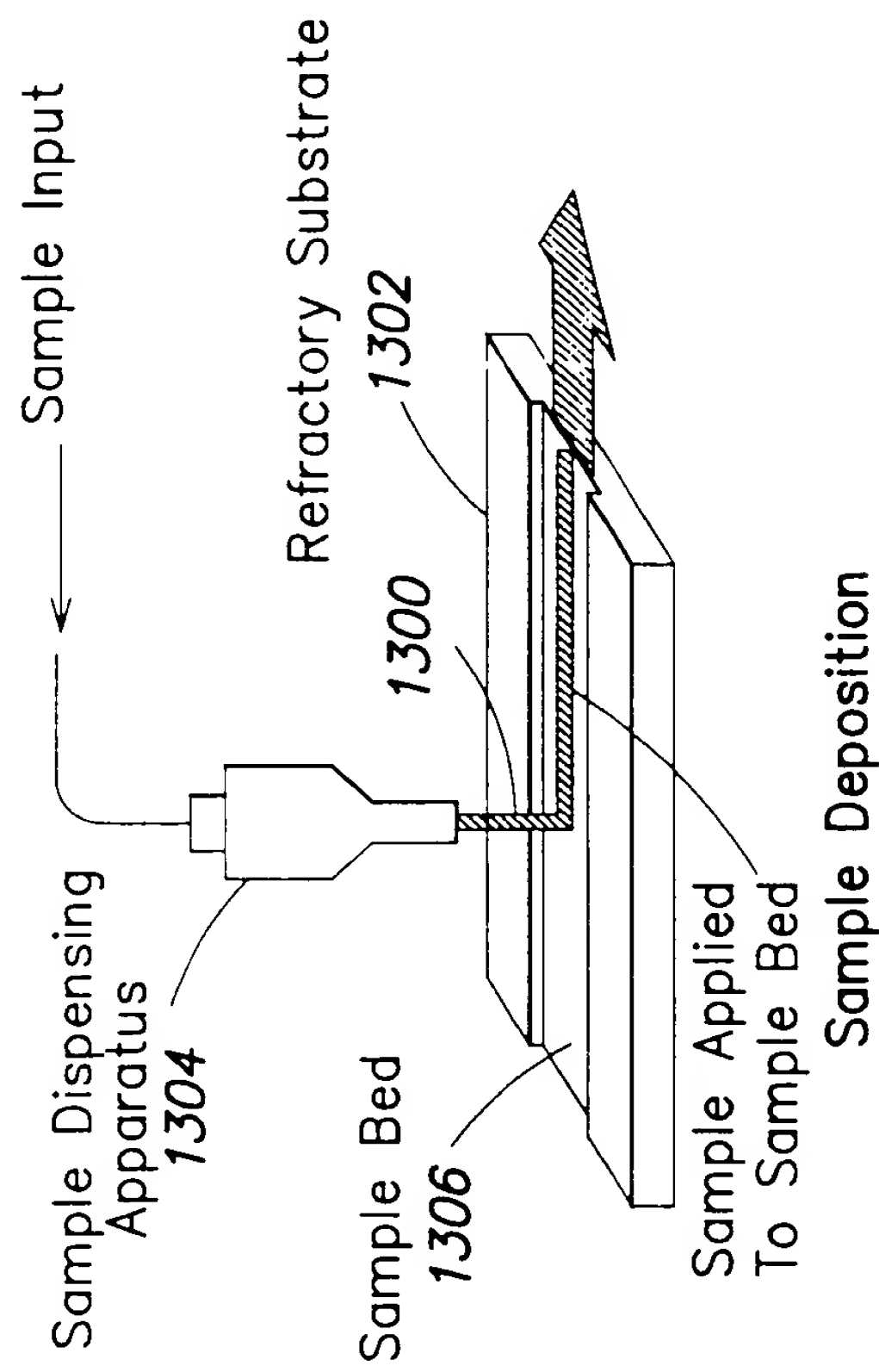


FIG. 13A

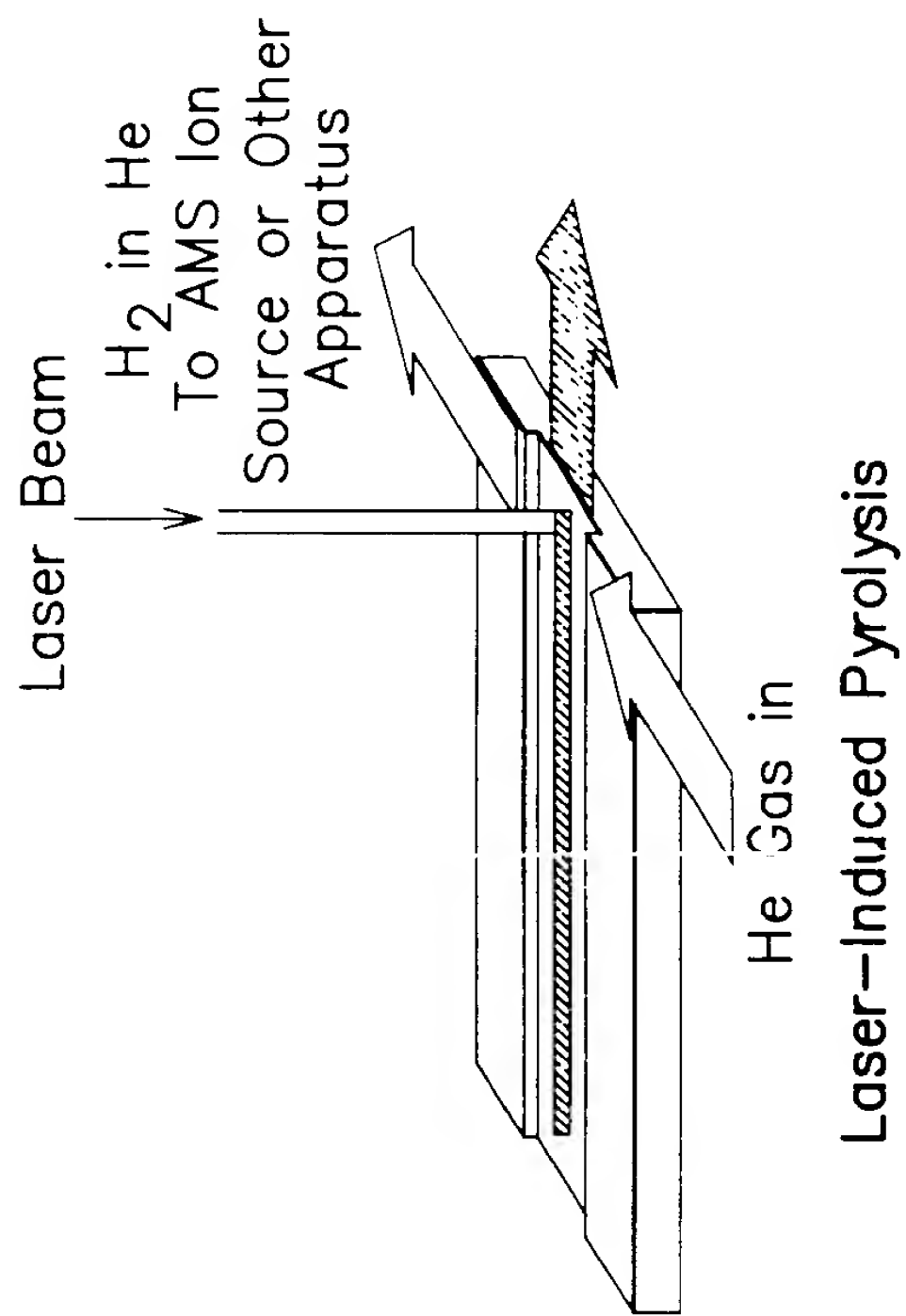


FIG. 12B

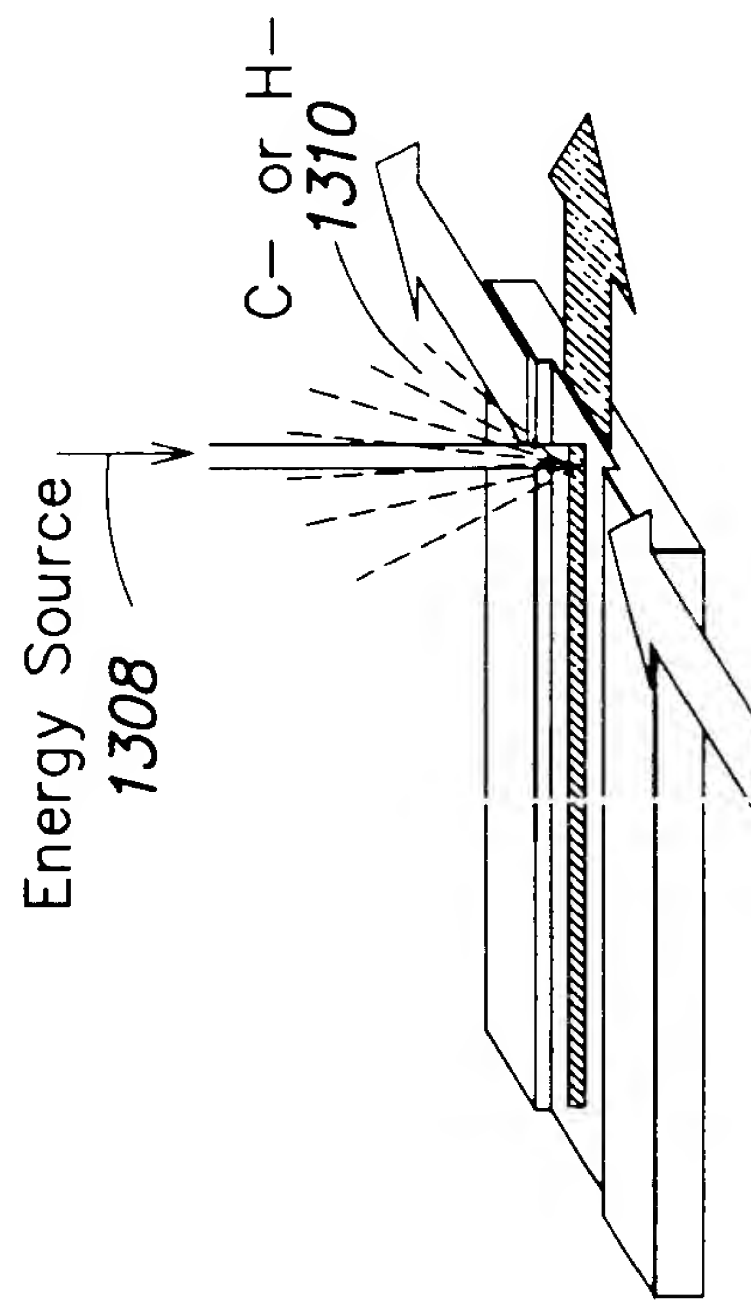
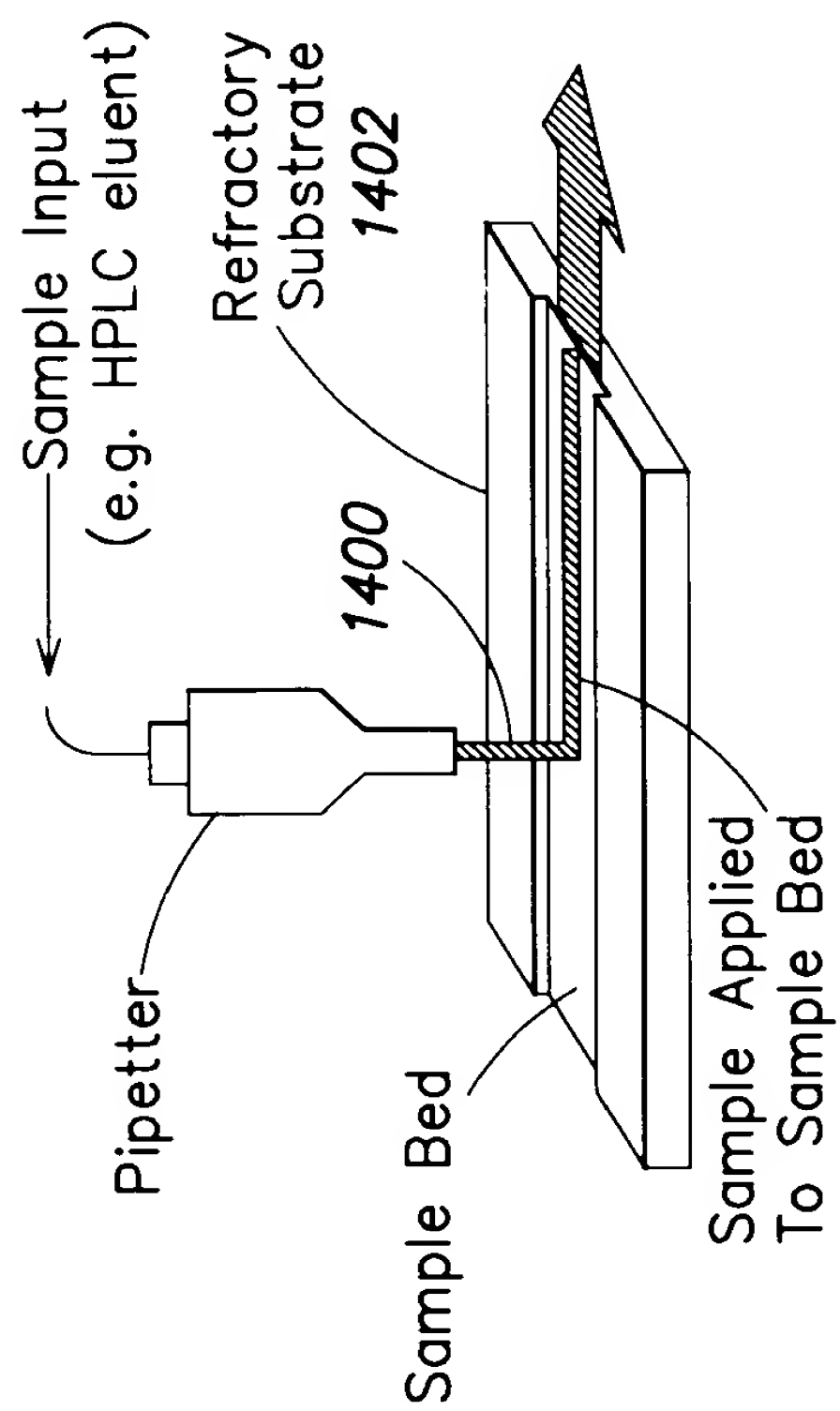
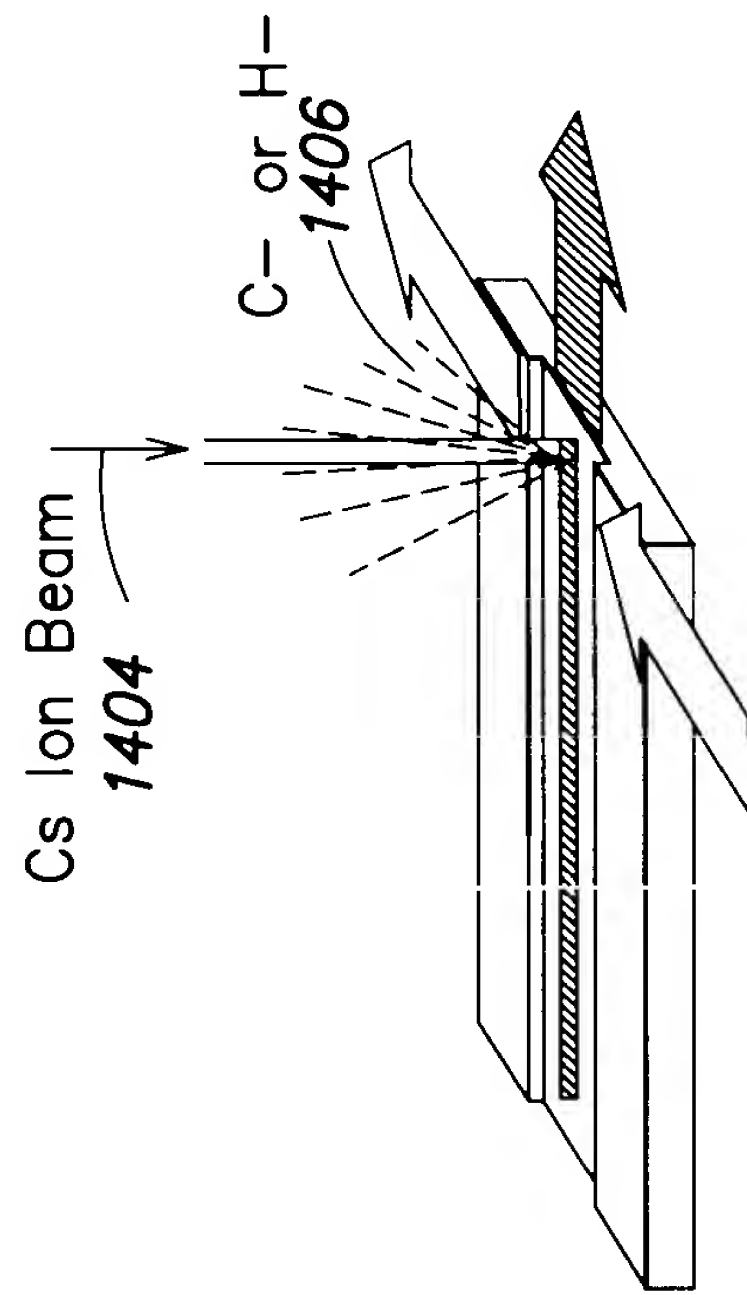


FIG. 13B



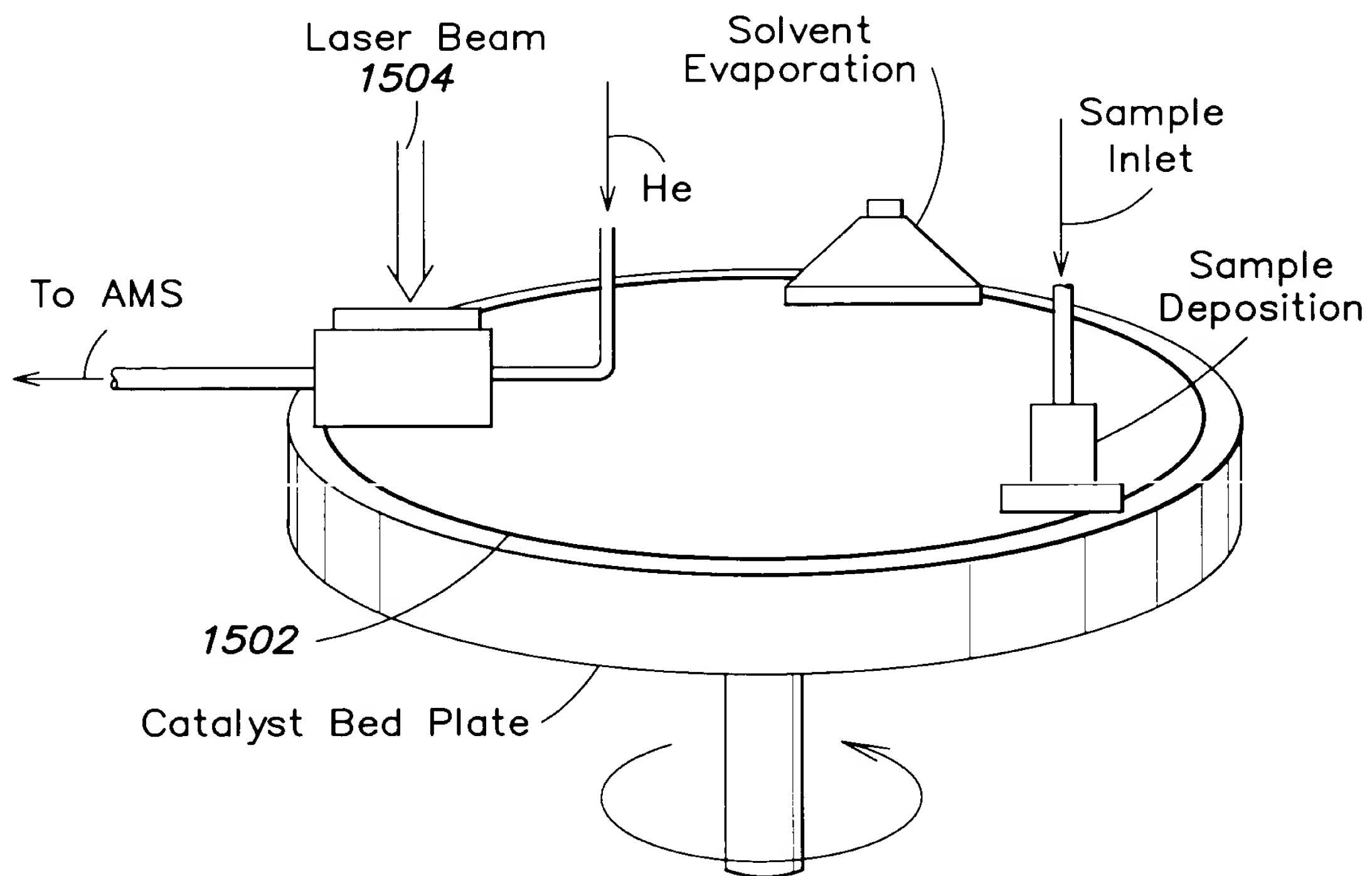
Sample Deposition

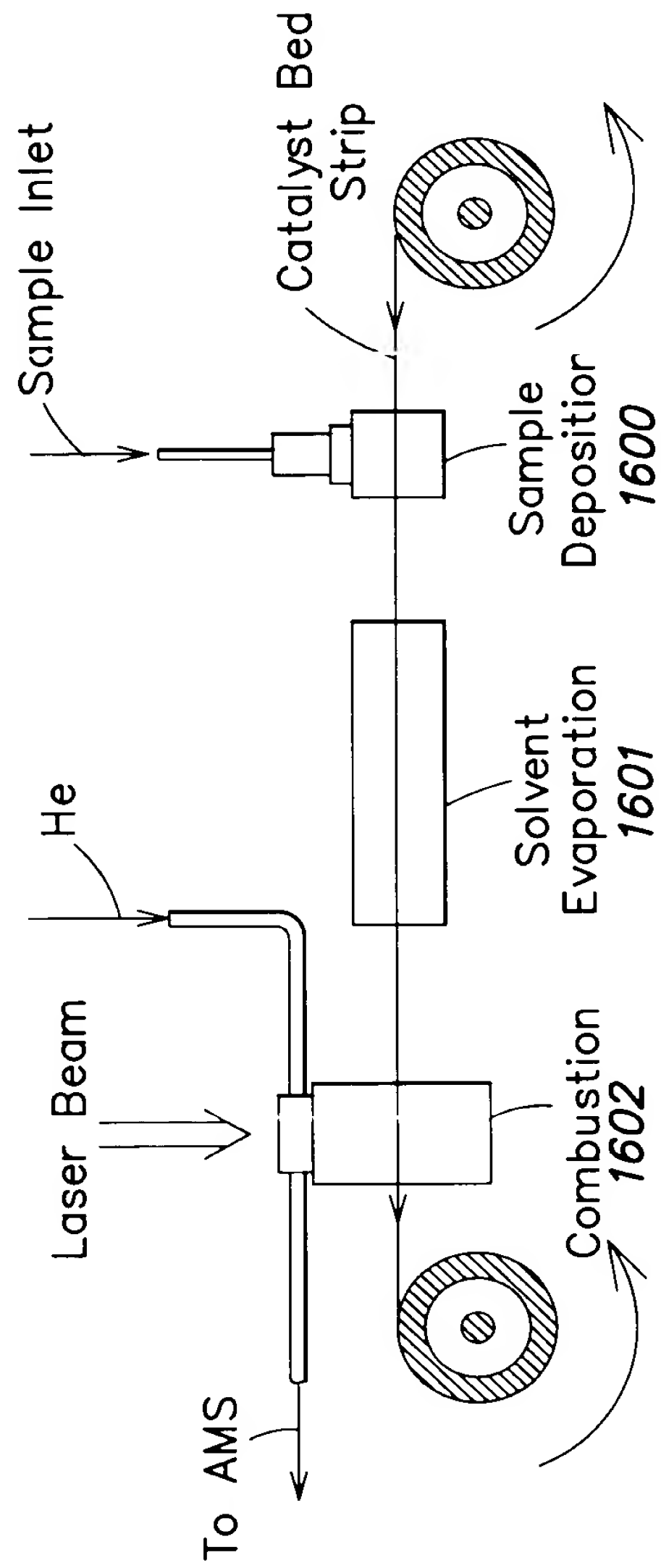
FIG. 14A



Conversion in Ion Source

FIG. 14B

**FIG. 15**

**FIG. 16**